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PATENT SPECIFICATION

688,879



Date of Application and filing Complete Specification April 16, 1951.

No. 8838/51.

Application made in Belgium on April 20, 1950.

Complete Specification Published March 18, 1953.

Index at acceptance :—Classes 17(i), A6c1b2; and 39(iii), H(1x: 2e3).

COMPLETE SPECIFICATION

Last for the Manufacture of Shoes

I, ALFRED KAMID DE CRAECKER, of 20/21 Dorpstraat, Oordegem, Belgium, a Subject of the King of the Belgians, do hereby declare the invention, for which I pray that a patent may be granted me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention relates to a last for use in the manufacture of shoes.

Such lasts are mainly used in works manufacturing slippers. A difficulty arises generally when the manufactured slipper or shoe is removed from the last.

As a rule, the shoe fits closely on the last in such manner that it has to be pulled from the last. In this operation, the manufactured shoe is often damaged.

The invention has among its objects to avoid this disadvantage.

According to the invention a last is provided consisting of two parts which are relatively movable into adjusted positions in the direction of their lengths.

In one preferred construction of the last according to the invention, a rod is secured in one part of the last, and passes through the other part, and is provided on the outer surface of the other part with an adjusting nut, a spring serving to maintain the two parts separated from each other being located between the parts and preferably, around the rod.

In another embodiment, means are provided for heating the last.

The invention is diagrammatically illustrated by way of example in the accompanying diagrammatic drawings, in which:—

Figure 1 is a longitudinal section of the last according to the invention, and

Figure 2 is a plan view of a part of the last according to Figure 1.

The last shown in Figure 1 comprises a heel 1 and a foot part 2.

The part 2 is provided at the rear with a rearwardly projecting portion 3, on which a small plate 4 is secured by means of two small screws not shown in the

drawing. The plate 4 is shown on a larger scale in Figure 2. Plate 4 has a dovetailed slot 5, which retains the head 6 of a screw 7, screwed into the heel. The plate 4 thus forms a sliding member for the heel 1.

A small bar 8 retains a rod 9 in the heel 1. On the rod 9 is mounted a spring 10 under compression which keeps the heel part 1 separated from the part 2. An adjusting nut 11 (with locknut) hinders the separating movement of the part 2 with respect to the heel 1.

As the last according to the invention is adapted for use in vulcanizing shoes, means are provided for heating the last. Screws 12 and 13 respectively screwed in parts 2 and 1 of the last, serve as the terminals to which a source of current may be connected. The screws 12 and 13 are disposed insulating sockets 14; a contact between the screws and the parts 1 and 2, themselves made of a conducting material, is prevented by the provision of washers 15. The washers 15 also prevent contact between resistances 16 and 17, on the one hand, and the parts 2 and 1, on the other.

Resistances 16 and 17 are inserted in insulating members 18 which are protected by a metallic sleeve 19. At the ends 20 and 21 of the metallic sleeves 19, the resistances 16 and 17 are in contact with the parts 1 and 2 of the last.

The electric circuit in which the source of current is connected, for example, between the terminals 12 and 13, thus also includes the resistance 16, the parts 2 and 1 of the last, and the resistance 17. The result is that each part of the last is heated twice, first by the current passing through the resistance, and a second time by the current passing through the material of the parts 1 and 2.

From the preceding description, it will be understood that both the parts 1 and 2, forming the last, may be moved with respect to each other in such a way that the parts 1 and 2 are moved close together

and the outer contour of the last is reduced when the shoe is to be withdrawn from the last.

What I claim is:—

- 5 1. A last for the manufacture of shoes formed of two parts, displaceable in the longitudinal direction relatively to each other, and provided with heating means in which the heating means comprise two
10 electrical resistances one passing through each part of the last so as to be insulated therefrom, the electrical circuit being completed by connection of the resistances respectively to the parts of the last them-
15 selves which are provided of an electrical conductive material.

2. A last according to claim 1, in which the two parts of the last are connected together by means of a bolt or the equivalent, the parts being held separated under 20 spring pressure and the bolt being adjustable in length to cause a greater or less separation of the parts of the last and adapted to be locked in the adjusted position. 21

3. A last substantially as hereinbefore described and illustrated in the accompanying drawings.

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Agents for the Applicant.

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COMPLETE SPECIFICATION

ERRATA

SPECIFICATION NO. 688,879

Page 1, line 1, for "ALFRED KAMID DE CRAECKER" read "ALFRED KAMIEL DE CRAECKER".

Page 1, line 5, after "granted" insert "to".

Page 1, line 70, after "posed" insert "in".

THE PATENT OFFICE,
9th July, 1953

DE 31952/1(14)/3475 150 7/53 R

ERRATUM

SPECIFICATION NO. 688,879

Page 1, line 70, after "posed" insert "in".

THE PATENT OFFICE,
23rd April, 1953

DE 28886/1(9)/3424 100 4/53 R

35 The invention is diagrammatically illustrated by way of example in the accompanying diagrammatic drawings, in which:—

40 Figure 1 is a longitudinal section of the last according to the invention, and

Figure 2 is a plan view of a part of the last according to Figure 1.

45 The last shown in Figure 1 comprises a heel 1 and a foot part 2.

The part 2 is provided at the rear with a rearwardly projecting portion 3, on which a small plate 4 is secured by means of two small screws not shown in the

FIGURE 1 and 2 of the last.
The electric circuit in which the source of current is connected, for example, 85 between the terminals 12 and 13, thus also includes the resistance 16, the parts 2 and 1 of the last, and the resistance 17. The result is that each part of the last is heated twice, first by the current 90 passing through the resistance, and a second time by the current passing through the material of the parts 1 and 2. From the preceding description, it will be understood that both the parts 1 and 2, forming the last, may be moved with 95 respect to each other in such a way that the parts 1 and 2 are moved close together

Fig.1

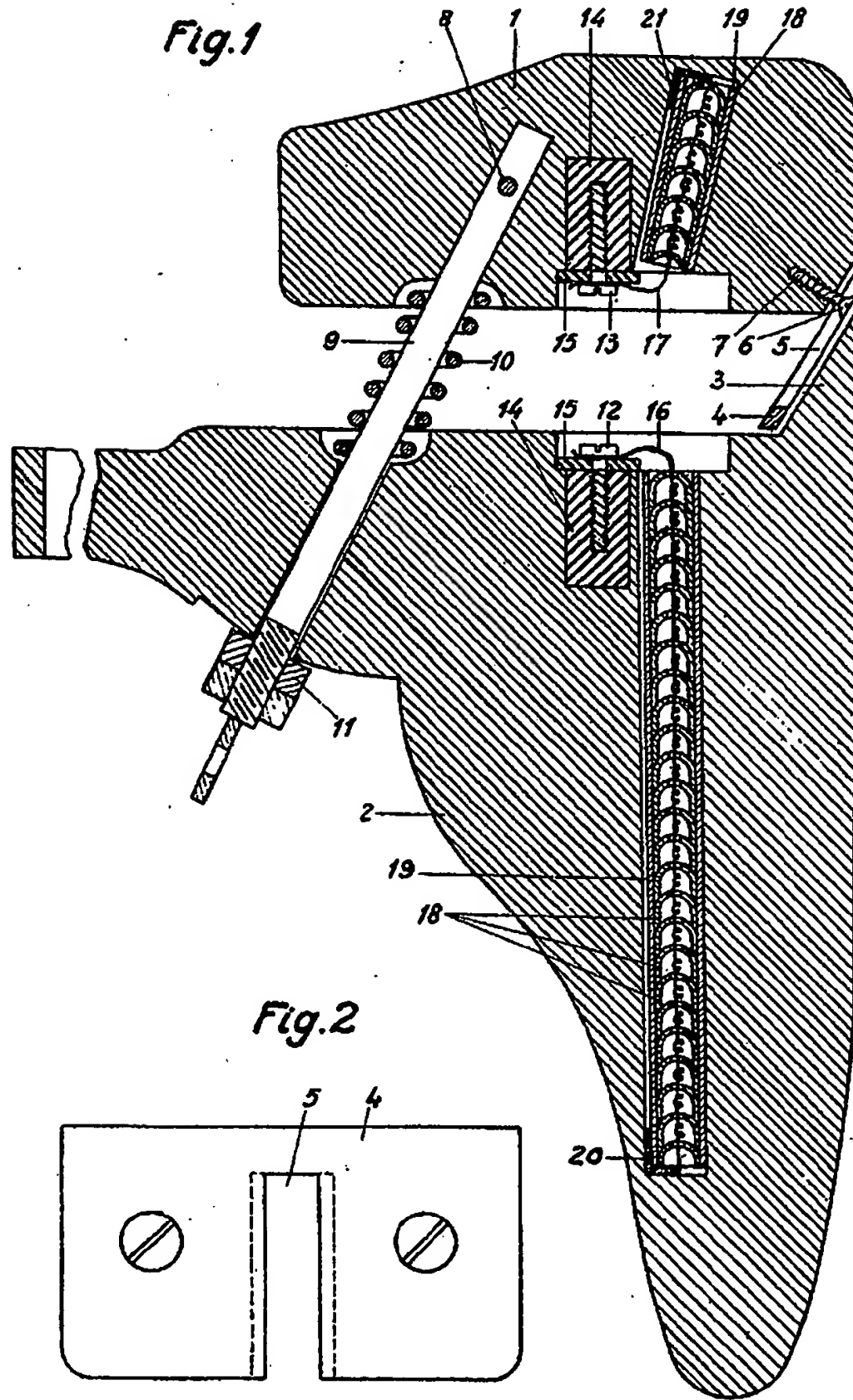


Fig.2

